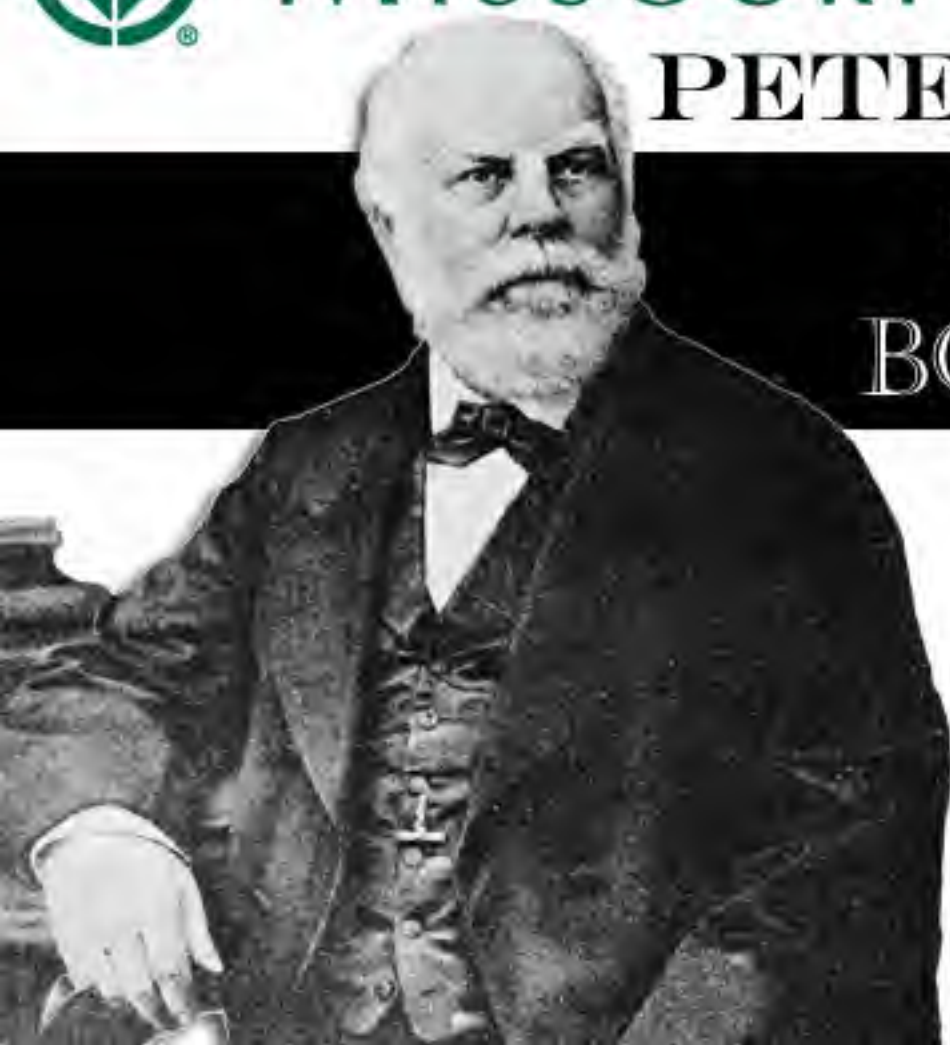




# MISSOURI BOTANICAL GARDEN PETER H. RAVEN



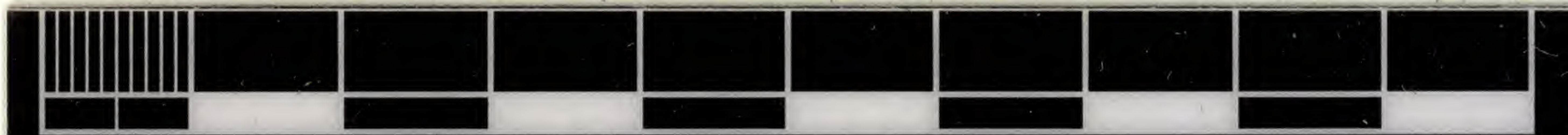
GEORGE ENGELMANN  
BOTANICAL

*Since  
page  
online  
nu*

Copy of Manuscript of Pallas in Her

Euphorbia Chan  
ad Fluvium Jen

= Euph. pseudo-humilis



0 1 2 3 4 5 6 7 8 9 10

cm

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MISSISSIPPIAN  
BOTANICAL  
GARDEN

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*richtigen Empfangung des nachstehenden an den Unterzeichneten auf  
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# Reco gnitions - Schein

*München,*

*185*



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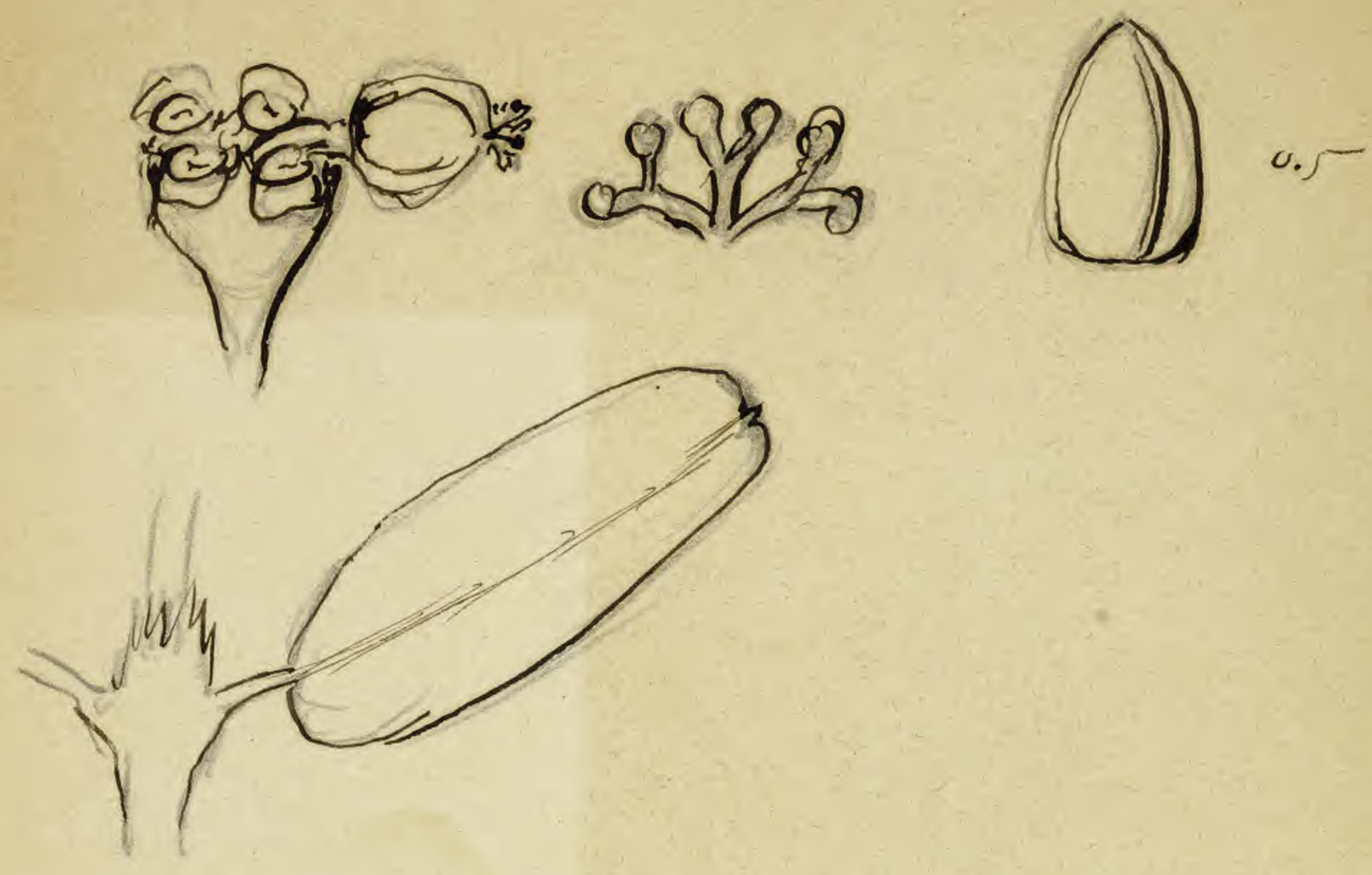
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536  
3. C  
B. C. C.

*Euphorbia emarginata* Klebsch  
Brazil Sellow  
ms



*Annua prostrata glaberrima*  
 ramis pedalis  
 foliis ovato-oblongis retusis mucronatis  
 stipulis latis laciniis membranaceis  
 antheris in ramulis latenter  
 subsingulis  
 invol. turrescenti, gland. laticis  
 2-angulatis appendiculis  
 stylis brevibus fere ad apicem  
 bifidis, stigmo capitellatis  
 caps. acutis angulatis  
 sem.  $\frac{1}{2}$  lin longis ovatis  
 acutis angulatis  
 near *E. serpens*? or with *ammannoides*

6950



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24

*Euphorbia albomarginata* var. *June 15 1876*  
Dr. Palmer S. Calif 1875



seed 0.7 l. by



allied to  
*albomarginata*  
and *Harlingii*

internodes shorter than leaves  
peduncles longer than petioles

*albomarginata*, var. *semisubundulata*  
*majoribus*

Schott, Ariz. call the same with  
smaller seeds



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M  
B  
C

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M  
B  
G

x10

*E. albomarginata*

Jan 7

San Bernardino  
Parish



x150



x10



0.0

1.5 - 1.7 mm long

surface of seed 0.035 mm

Seed gray, color oblong

long

faintly cross ribbed

very conspicuous

PHARMACEUTIST  
JAMES MCBRIDE



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cm

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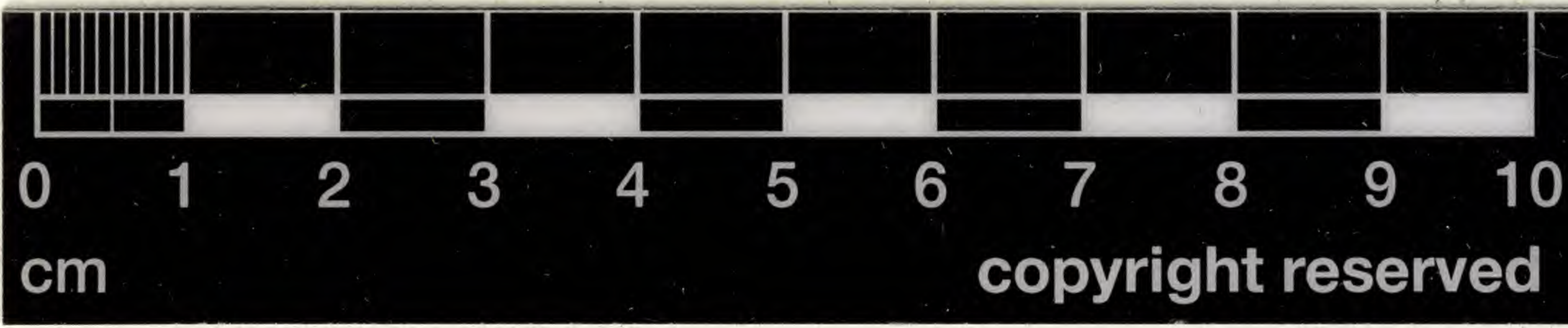
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6 1700	457	1604	0.035
2	9	32	
418 1214	3		
90 27			

---

280 FIFTH STREET,  
SAINT LOUIS,  
NEAR OFALLOAN,

JAMES MCBRIDE,  
Pharmacist,



*Euphorbia* ~~*Pringlei* n. sp.~~  
~~*altmanii* n. sp.~~

Arizona Pringle No 139 1881

x10

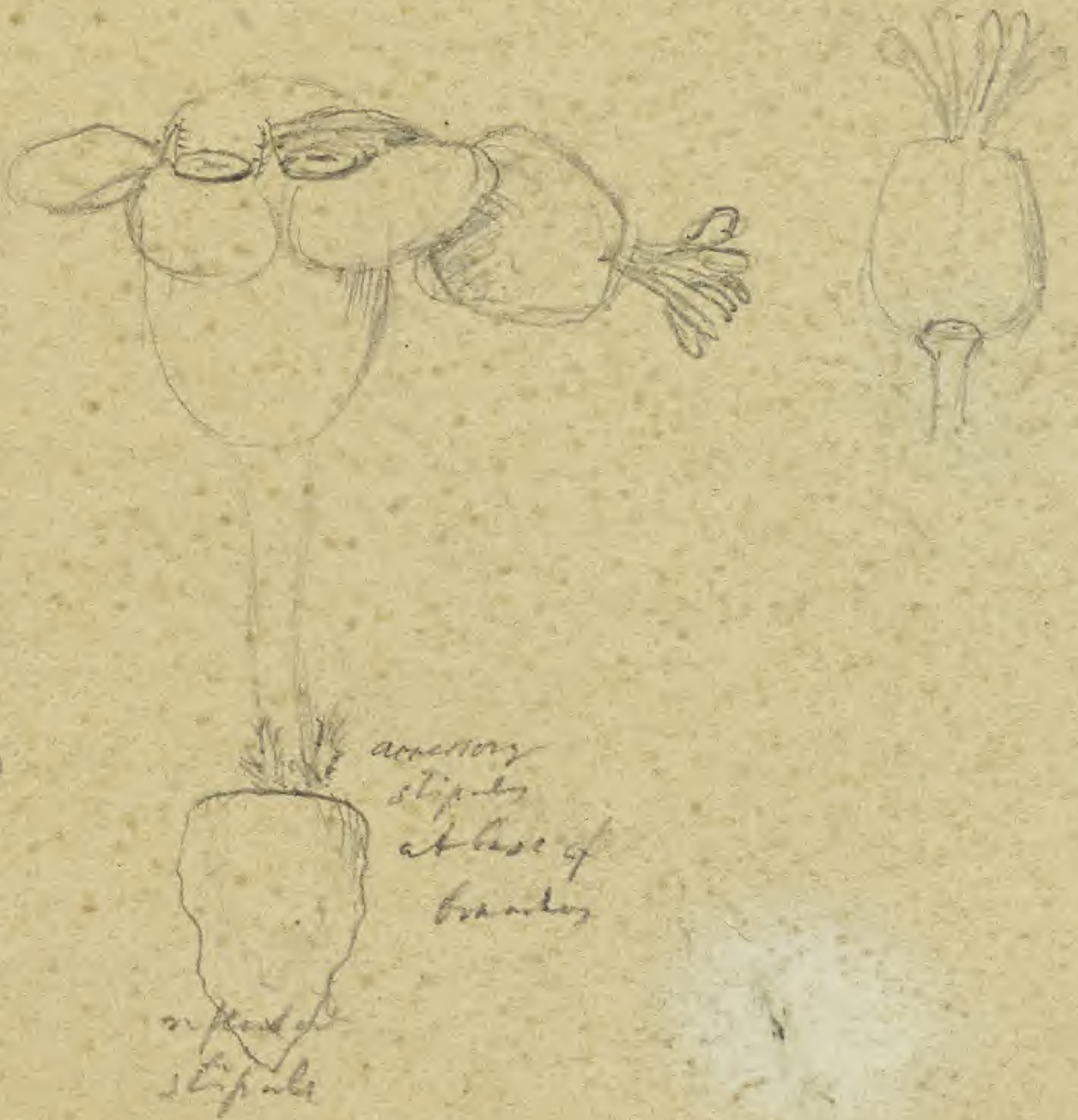


seed 1/2 mm long  
reddish very faintly  
undented or smooth



cells of seed coat  
x 150, indistinct  
(E. brown unripe?)

= 0.027 - 0.030



accessory  
stipule  
at base of  
branches

inflated  
stipule



0 1 2 3 4 5 6 7 8 9 10

cm

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DRUGGISTS & PHARMACISTS,

No. 2934 Olive Street, S. E. Corner Garrison Avenue,

ST. LOUIS, MO.

R

glaberrima, caulibus e radice crassa  
protrahis (elongatis internodiis)  
foliis, oblique subcordatis, orbiculatis, ut  
obtusis s. emarginatis, <sup>crassis</sup> saepe rubris  
stipulis magnis conspicuis late triangularibus  
dentatis membranaceis, stipellis la-  
ramulorum.  
floribus involucriis singulis longis pediculis  
campanulatis, magnis, intus puberulis  
lacunculatis ciliatis, glandulis frons-  
tate albo (marginatis) appendiculatis  
stylis longioribus, profunde bifidis, stigmatibus  
capsulae calyculatae, acutangulae,  
seminibus linearibus indistincte undulatis 1.

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cm

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*S. allouanensis* var June 15 1876  
A. Schott, Arizona 185-

seed small, slightly  
undulate



capsule rounded



0.5 line

was taken for *Hartwegiana*  
but seeds smaller, narrower  
and slightly undulate  
capsule angles rounded



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cm

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**Leitch & Corlies**

**DRUGGERS**

*South West  
Corner Fifth  
and Market  
Streets.*

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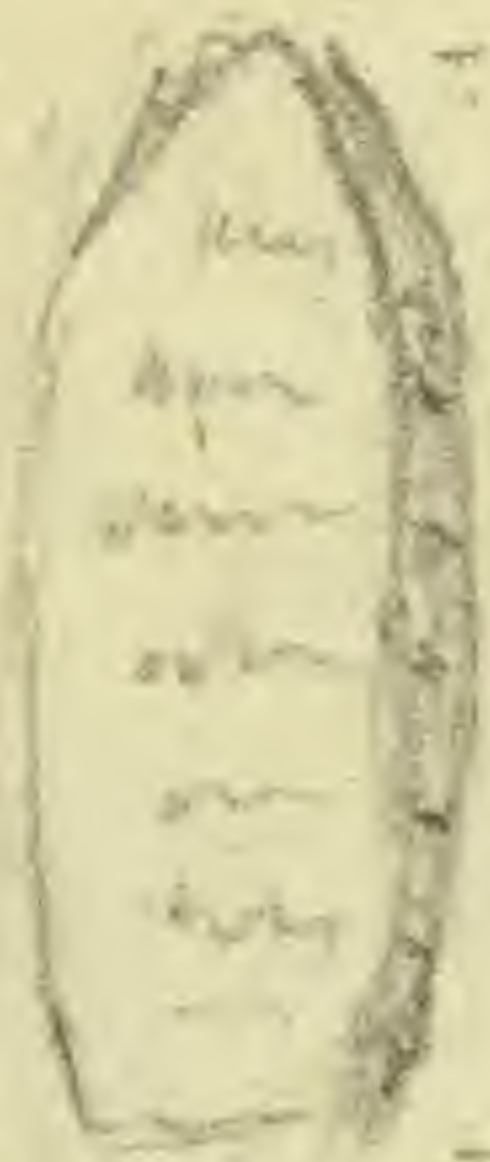
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*Cypripedium albomarginatum* Nov 3, 1881

San Bernardino, Parish May 1881

~~var. *undulatum*~~  
*regulosum*

x10



surface of  
seed x150  
nearly 2 mm long  
seed with 6 or 7  
cross ribs or  
undulations

surface cells 0.022-0.026 mm

x10



involucre ciliate  
or pubescent at  
mouth, inside



x10

slip. large, white, thin  
coriaceous



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cm

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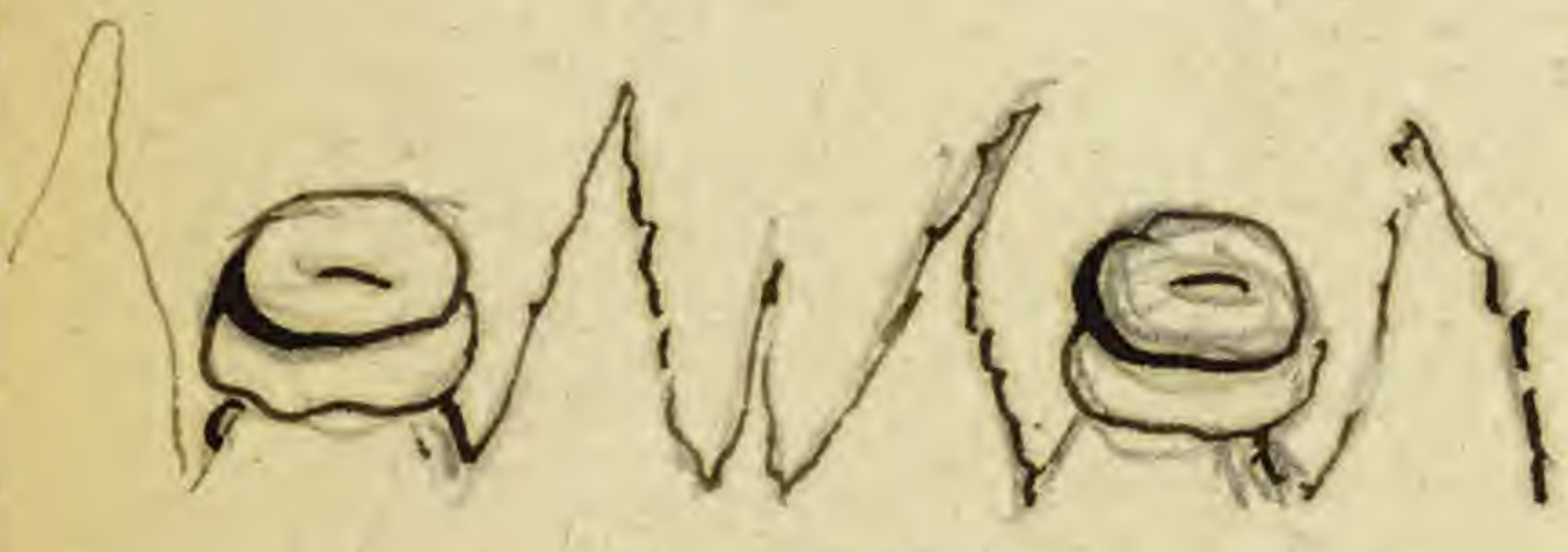
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6

*Euph. serpens* Kunth

Cumana Humboldt original  
Herb. Willd. 9278.1 *Spurin*



*annua prostrata radice glaberrima*  
*fol. ovata emarginata, lobis*  
*stipulis lobis diaphanis ovatis*  
*latis*  
*antheris subsingulis latiusculis*  
*invol. tuberculatis glabris angustis*  
*appressis*  
*cal. foveolatis distinctis*  
*stylis recurvis patulis stig.*  
*ovariis longioribus clavatis*  
*caps. acuta angul*  
*sem. ovata laev. subangul*  
  
*leaves 1-2 l. long*  
*seeds each 0.4 - 0.5 lin*



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Handwritten botanical notes or labels, possibly including the word 'MORNA'.

Extensive handwritten notes in cursive script, covering the lower half of the page. The text is mostly illegible due to fading and bleed-through from the reverse side.



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cm

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5. B.

cordifolia var



S. Pennell



perianthium glaberrimum

foliis a basi obliq - obtusis

et nervis subnatis ovatis

obtusis integris

antheris stipul capillares multif

antheris in cyathis terminalibus

congestis

apice minutis subulatis

stylis exsertis ad basin

bifidis - stigma filiformi

capite acutangulo

seminibus ovatis

acut. angul 0.5



0 1 2 3 4 5 6 7 8 9 10

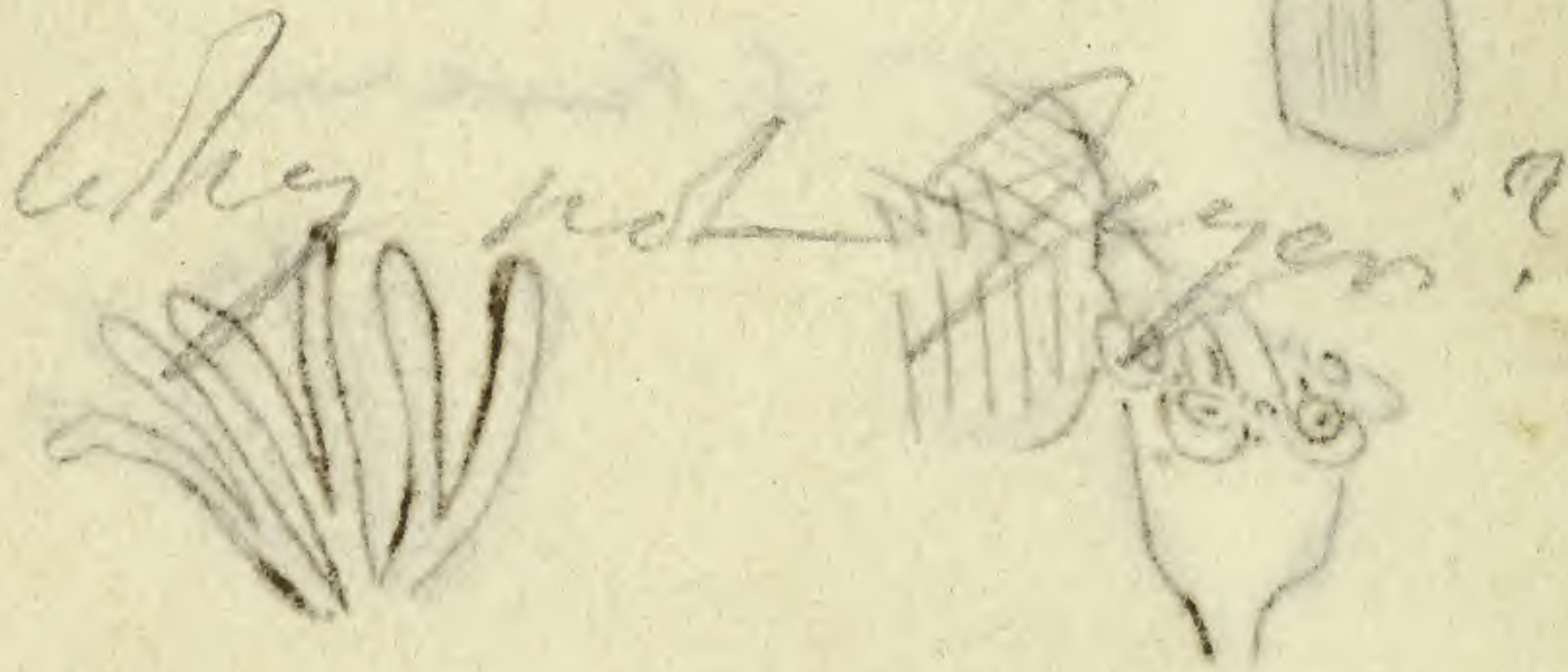
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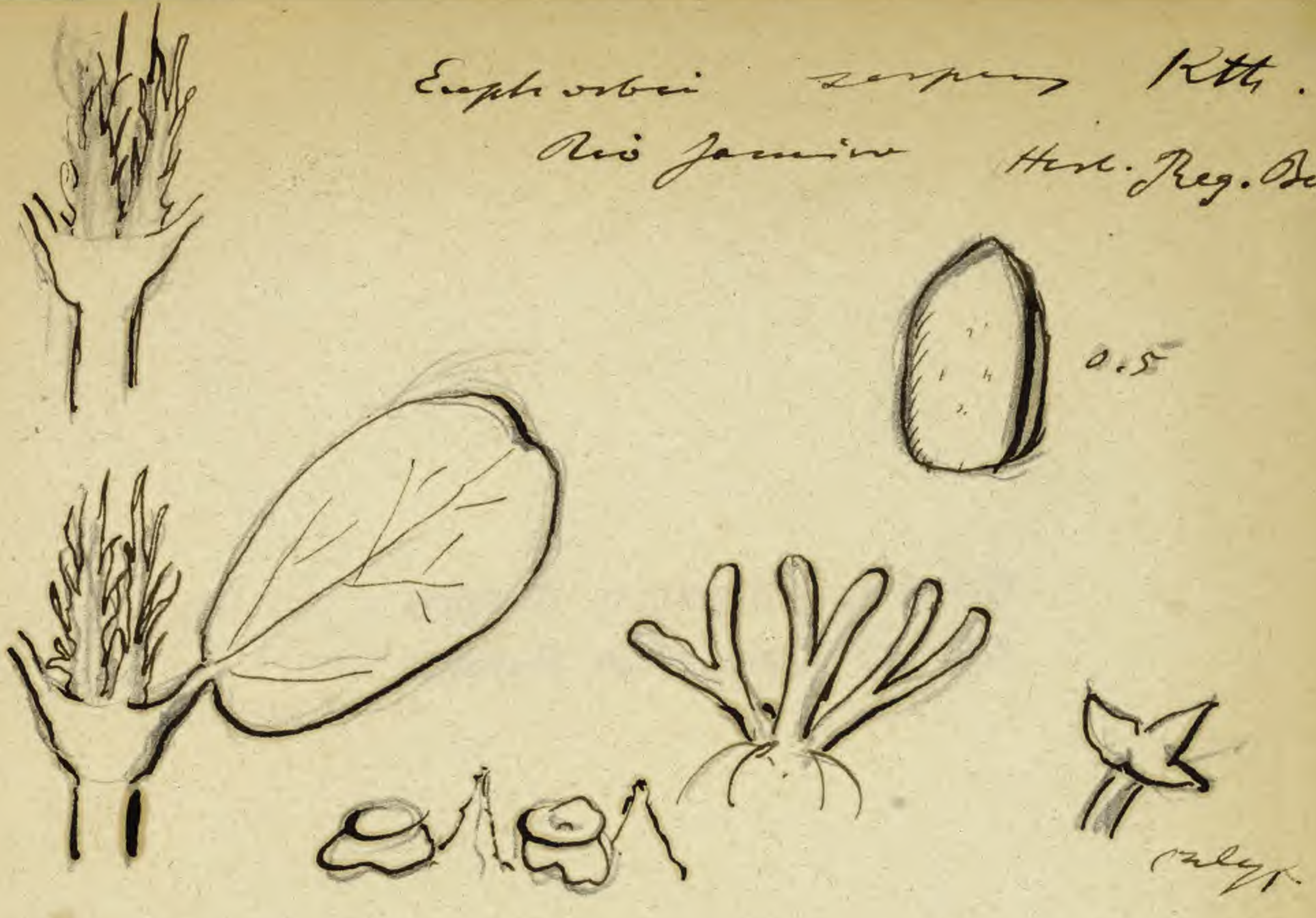
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*Euphorbia serpens* Rth.  
Rio Janeiro Her. Reg. Berol.



radicum

annua prostrata glaberrima.  
 foliis ovatis, s. obovatis obtusis  
 s. emarginatis integris  
 basi obtusis, s. subcordatis  
 stipulis elongatis lanceolatis puberulis  
 drupaceis  
 anthodis vix in glomerulos laterales  
 laterales compactis s. subsingulis  
 nodosis turbantibus gland. appret.  
 Cal. focum distincte trilobum  
 styl. ovario brevioribus, caps.  
 dem ovatis acutis angulatis  
 acutis angulatis laevibus  
 s. raris punctatis —  
 Ceras  $\frac{2}{12}$  - 2 l. long. seed  
 0.5 l. long. —



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cm

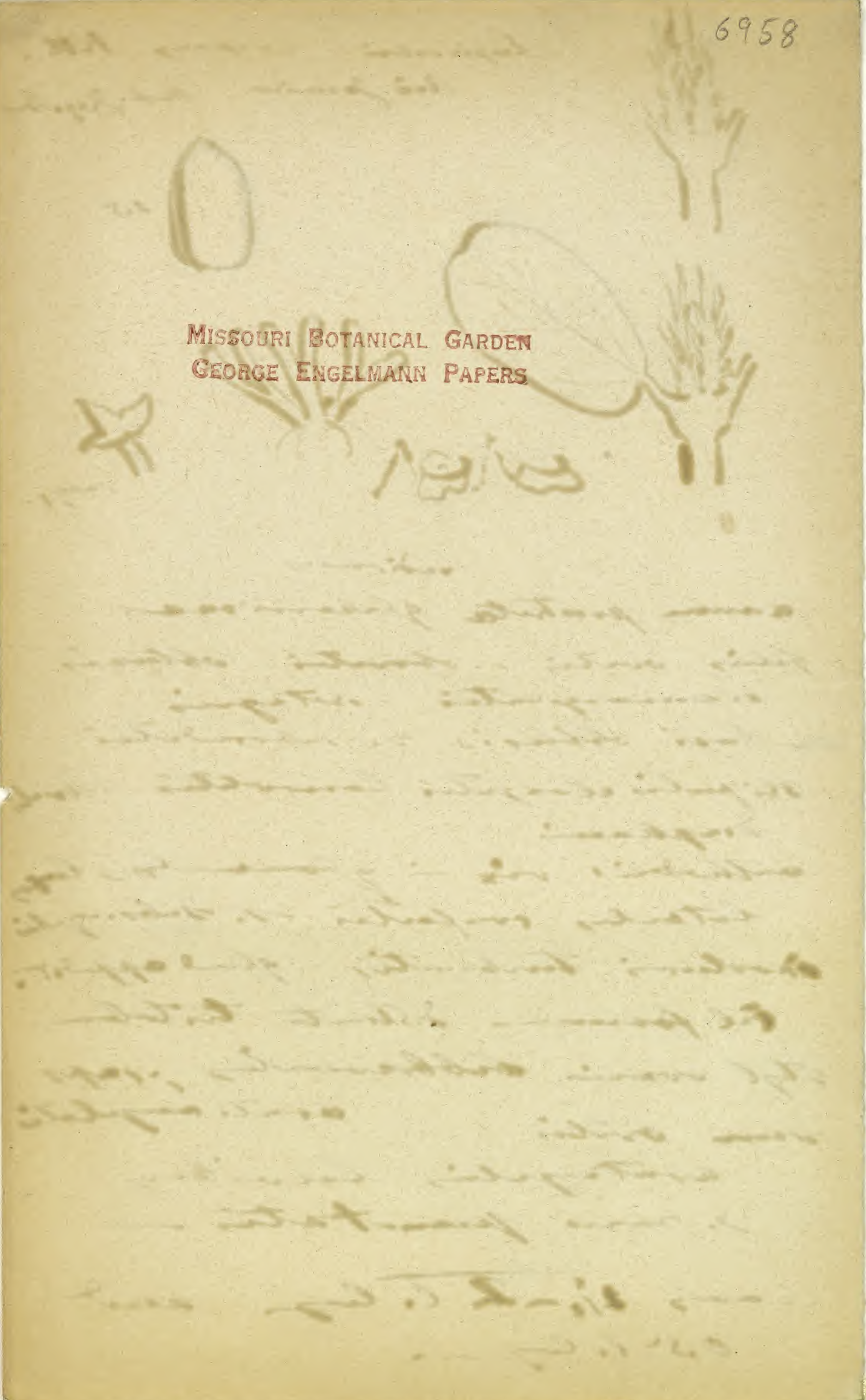
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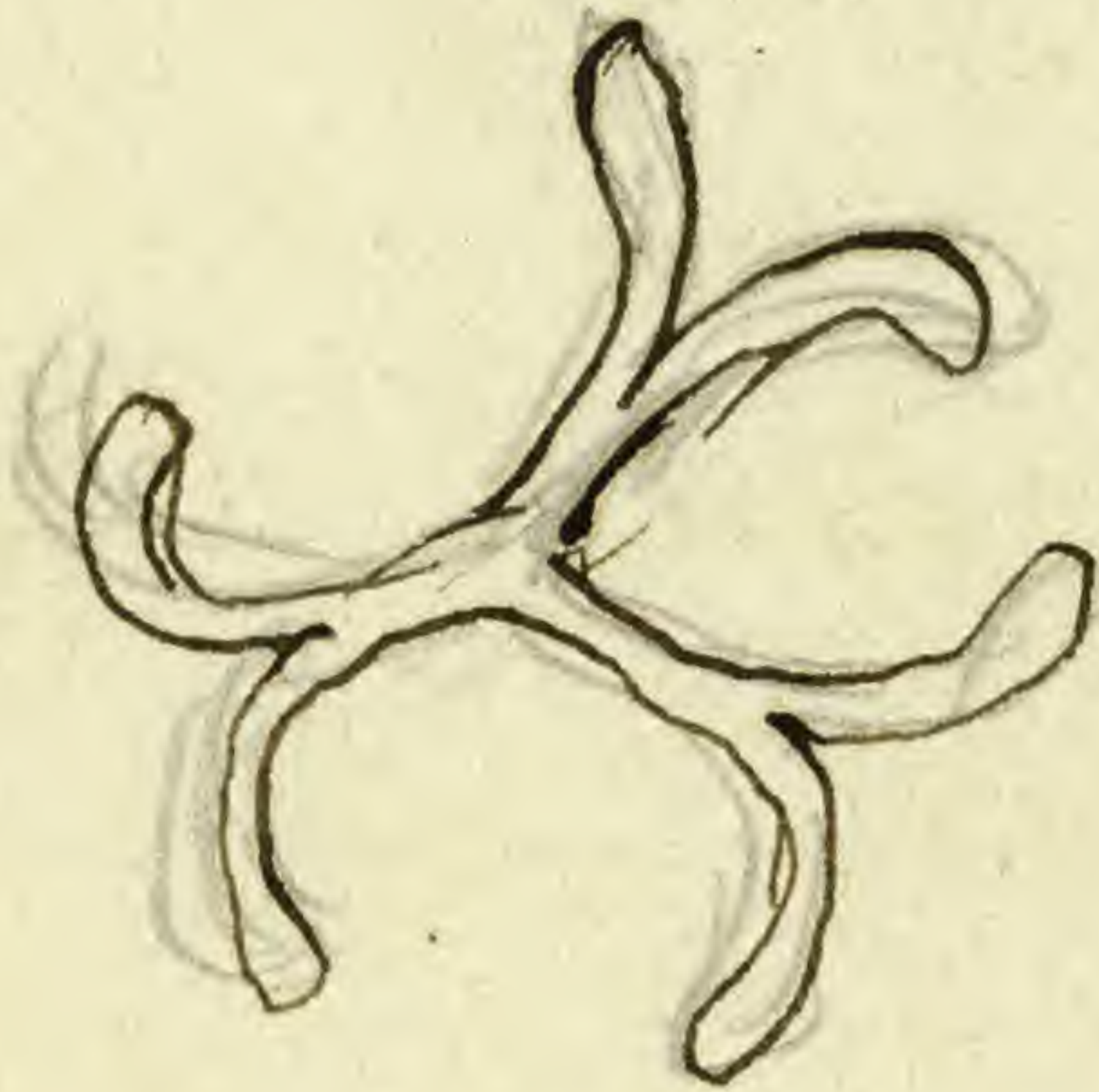
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6

Peruvian order St Louis

styles spreading (even before  
 the fl. is fully open)  
 short, <sup>or longer</sup> bifid below <sup>onto</sup> the  
 middle, somewhat  
 clavellate

margin of glands  
 generally lobed, narrow



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cm

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b.c

Euph. Joliana Lam

30  
11

Ile de France & Bourbon



fruticosa, paniculata, glaberrima  
 integerrima, appendiculata

demum

fruticosa (4-6 inches high) erectiscula  
 foliis oppositis ovatis basi subcordatis  
 plerumque glaberrimis, integerrimis  
 rarius subles pilosis  
 adspersis pilosulis raris  
 dentibus paucis cristatis  
 obtusis, retusis s. raris acutis  
 stipulis lanceolatis puberulis  
 anthodii, laticulibus singulis  
 glandulis late orbiculato appendiculatis  
 stylis  
 capsulis  
 seminibus ovatis acutis angulatis  
 (undulatis transversis)

I distinguish 3

This species seems to be *D. bicolor* or  
rather *polycolor*.

I distinguish 3 forms

1, ♂ fol glaberrimis <sup>integ.</sup> retusis, gland  
late appendiculatis

(Hb. Delessert)  
2, ♂ fol subtus pilosis <sup>integ.</sup> acutis  
gland late appendiculatis

3, ♀ fol glaberrimis parvis dentatis  
obtusiusculis, gland  
aegente appendiculatis;  
(This is the only one with  
fruit.)

I think Kunth's No 14 is another species  
from Isle de France; a namea prostrata  
fol carnosius glaucis; seems to  
be the same thing however.

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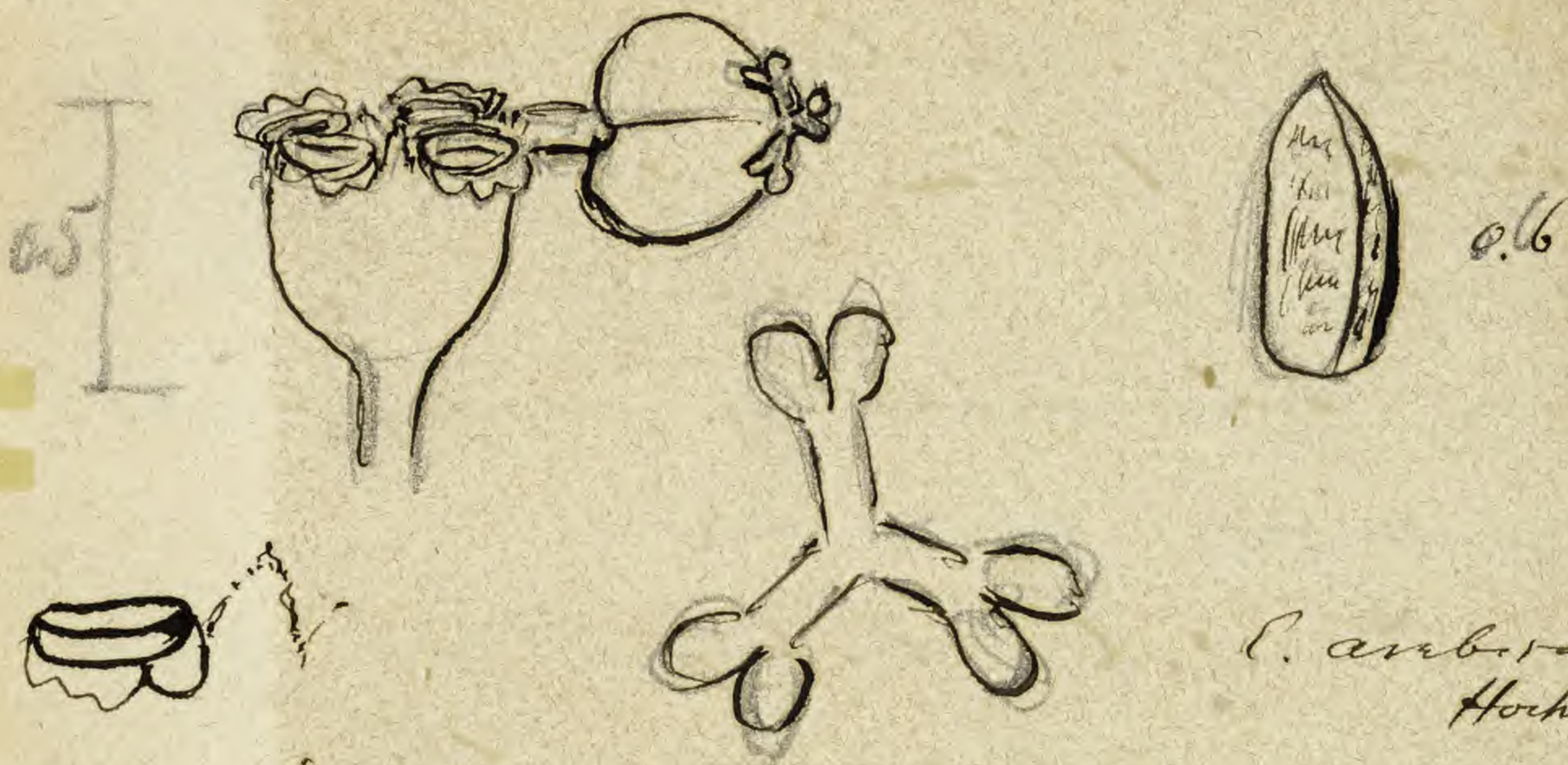
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P. 6

*Sarabida*



*S. arborea*  
Hochst & Steud

semen perennans

annua glaberrima erecta striata,  
 foliis linearibus elongatis, integris  
 crassisculis, basi acutis, apice acutis  
 striatis.

stipulis subulatis subintegris,  
 anthodis alaribus et in axillis  
 paucifloris terminalibus collectis.

involucris hemisphaericis, glandis  
 bilobatis anguste dentato-  
 appendiculatis,  
 lobis triangulatis subciliatis;

stylis divaricatis, reflexis, ovum  
 multo brevioribus; apice bilobis;

saps. acute angulatis,

seminibus angustis acute  
 angulatis, ~~partibus~~ transversis undu-  
 latis.



0 1 2 3 4 5 6 7 8 9 10  
 cm

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6-10 inches high -  
 leaves 1 inch long or less  
 usually 1 line wide -  
 involucre usually 1/2 line  
 long, but broadly campanulate  
 appendages small  
 seed 0.6 l. long not quite  
 ripe - but apparently  
 transversely undulate, with  
 concave sides.

A very distinct species  
~~flowers somewhat like~~

Same plant collected by Sebast. Fischer  
 " ad montes Sidr et Kesser et  
 " ad monticulos, prope Geddam  
 Arab For. For.

Some specimens annual others with  
 thick perennial root.

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113 *Optunia* 5

5<sup>2</sup> frutescens erecta patula glaberrima  
fol. oblique ovatis acutis <sup>integris</sup> ciliatis  
stipulis subulatis infra ciliatis  
supra distinctis, viz ciliatis  
involucris 2-4 glabris, glabris  
peltatis lobis laciniatis lacini-  
peltatis ciliatis;  
capsula obtusangula  
sem ?

*Azupora* *oblonga*



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Parallela acuminata.  
 In this subgenus they  
 are always terete, remaining  
 thick only the seedlings of  
 their tubercles are usually  
 almost all of them bearing  
 a very few spines of the  
 division the stems are prostrate  
 & clavate ~~there~~ the lym  
 much like that of Polypodium  
flattened + and striate, their  
 only separating ~~the~~ fruit



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cm

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13.6.

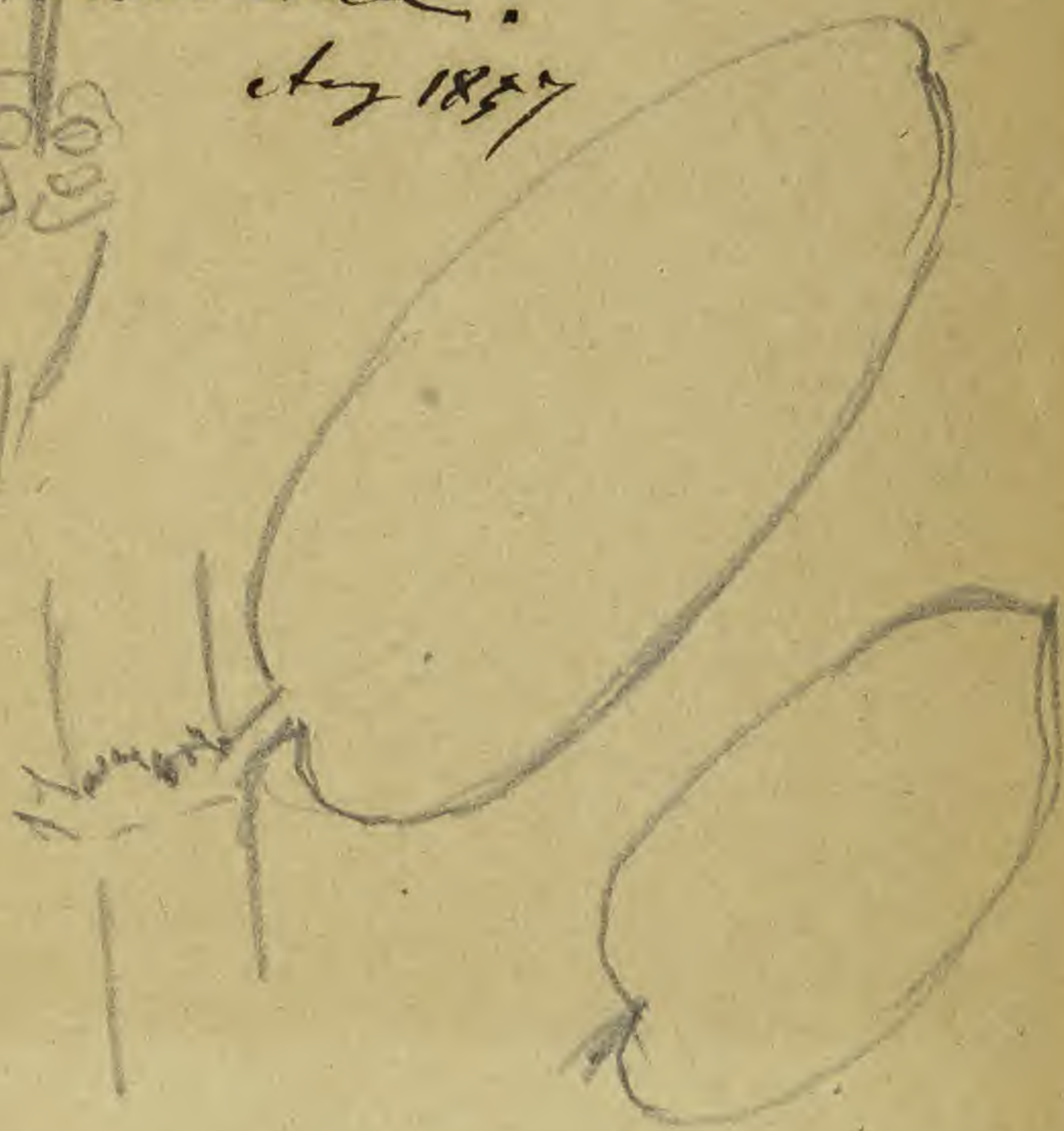
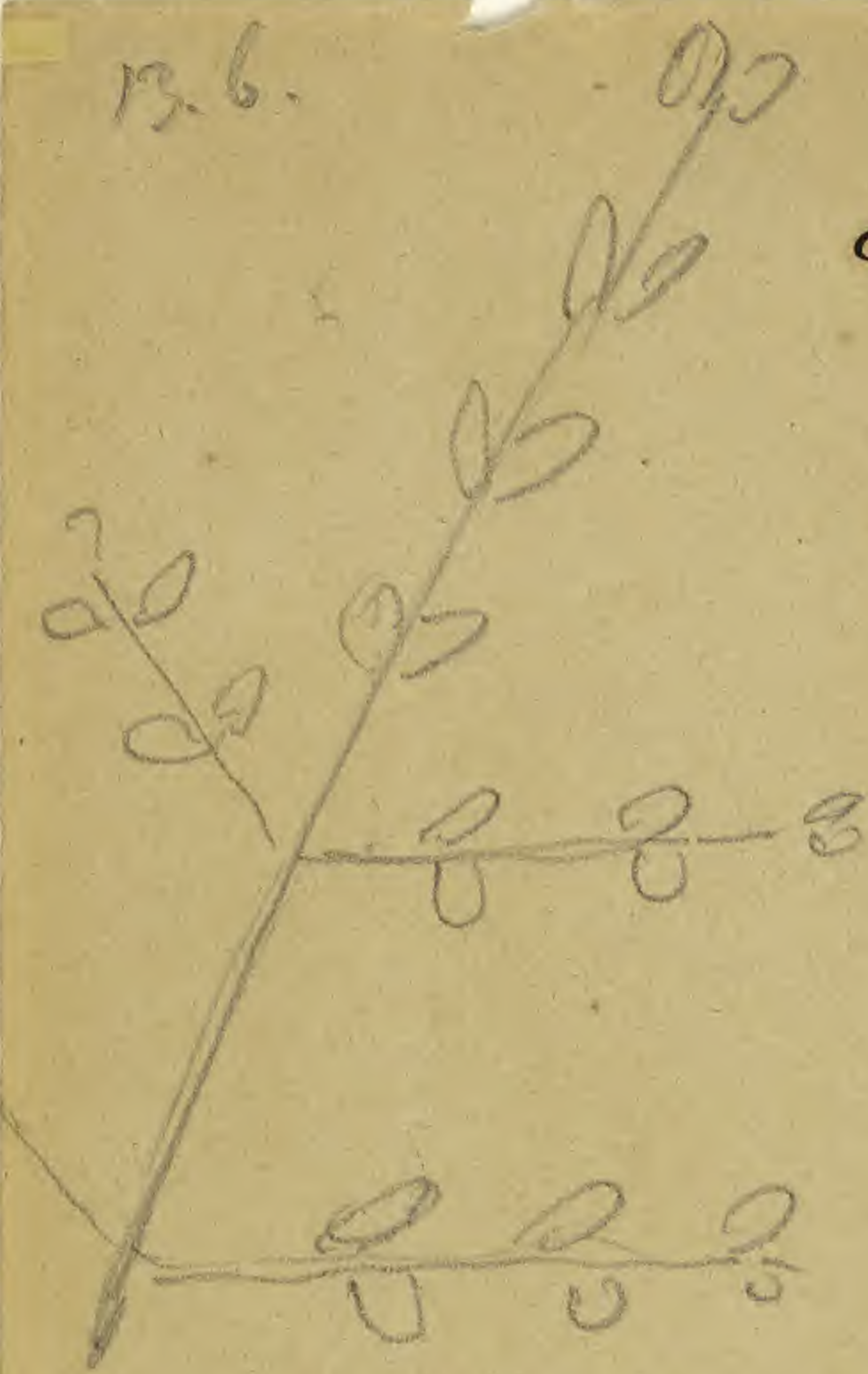
1/12

Euphorbia Magdalena!

Paul B.S. Sully

Hb. Berlin.

Aug 1857



fruticosa rigide ramis divaricatis  
~~involucris~~ bicrenatis puberula  
 foliis distantibus, sessilibus, ovatis  
 ovatis ~~integris~~ basi subcordatis  
 apice emarginatis s. acutiusculis  
 stipulis scariosis abbreviatis  
 ciliatis  
 inflorescentia ?  
 cithod turbatis subglobosis  
 gland orbiculato-appehensatis,  
 styli nervosis elongatis



0 1 2 3 4 5 6 7 8 9 10  
cm

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